

CLAIMS

1. A pair of coaxial tubes for dispensing liquid comprising:
an inner tube that is at least partially gas permeable through which fluid flows,
5 in use, and
an outer tube surrounding the inner tube, radially spaced therefrom and
forming a sealed volume between the two tubes.
2. A system for dispensing a liquid, the system comprising:
10 a pair of coaxial tubes according to claim 1, and
a pressure reducing device for maintaining the pressure in the space between
the tubes at less than atmospheric pressure in use.
3. The system according to claim 2, further comprising:
15 a pump for moving liquid in use along the inner tube from a liquid supply
container to a dispensing means situated at the other end of the coaxial tubes from
the liquid supply container.
4. The system according to claim 3, wherein the pump is a syringe pump.
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5. The system according to claim 4, wherein the pressure reducing device is a
vacuum pump.
6. The system according to claim 2, wherein an O-ring is used to seal the volume
25 between the inner and outer tubes.
7. The system according to claim 2, wherein a portion of pipe with rectangular
cross-section is used to seal the volume between the inner and outer tubes.
8. The system according to claim 3, wherein the dispensing means is a pipetting
30 nozzle.
9. A method of minimising the gas content of a liquid using a pair of coaxial tubes
according to claim 1, wherein liquid flows through the inner of said coaxial tubes and
35 the volume between the coaxial tubes is maintained at low pressure.